

Youngquist Brothers, Inc.
15465 Pine Ridge Road
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Tel.: 239-489-4444 / Fax: 239-489-4545

September 3, 2009

VIA ELECTRONIC MAIL

Parsons Water & Infrastructure Inc.

Attn.: Ron Armstrong, P.E., Vice President
4925 Independence Parkway, Suite 120
Tampa, FL 33634

Re.: City of Hialeah RFP No. 2008/09-9500-00-006
DRILLING, CONSTRUCTION AND TESTING OF CLASS 1
TEST/INJECTION WELLS AND DUAL ZONE MONITOR WELL

Dear Mr. Armstrong:

After reviewing the documents and visiting the site for the above-referenced project, we have some questions and would appreciate clarification regarding the following issues:

1. ARTICLE 6, 6.02 *Labor; Working Hours*, B. states that no work will be allowed on Saturdays, Sundays or legal holidays without Owner's prior consent. Meeting the proposed schedule of completion as described is unrealistic without working 24 hours per day, seven days per week. Please consider authorizing such a work schedule prior to receipt of proposals.
2. SECTION 01010 SUMMARY OF WORK, 1.02, C., 9. calls for the pilot hole from 200' bpl to 1,000' bpl to be drilled using the reverse-air method but SECTION 02851 DRILLING, 3.02, I. states "Mud rotary shall be used for drilling... to a depth of approximately 1000 feet or less)." Please confirm that mud rotary shall be used for the pilot hole from 200' bpl to 1,000' bpl.
3. SECTION 02852 CASING, 2.01, C. states "The injection casing shall be manufactured in the United States." None of the other casings or tubings are required to have been manufactured in the United States. Please consider approving the use of imported injection casing which can typically be obtained at a lower cost and would be consistent with the other tubing and casing requirements.

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4. The drawing DETAILED SECTION VIEW OF THE INJECTION WELL SYSTEM (FIGURE 2) shows the concrete well pad as being excluded from the scope of work, but SECTION 02850 WELL MOBILIZATION AND CLEANUP, 3.04, A. states "The final pad for the injection well shall be constructed of re-enforced concrete. The CONTRACTOR shall submit complete construction details prepared, signed and sealed by a professional ENGINEER, and receive approval before beginning construction." It is not possible to calculate a cost for the concrete pad without being provided with dimensions and specifications. As the City of Hialeah is already working with engineers for the design of the well system and water treatment plant, please consider either supplying plans and specifications for the pad or confirming that it is not included in CONTRACTOR's scope of work.
5. The drawing DETAILED SECTION VIEW OF THE INJECTION WELL SYSTEM (FIGURE 2) shows a stainless steel submersible vertical turbine pump in the dual zone monitor well as being within the scope of work but no specifications for the pump, drop pipe, controls, etc. have been provided. Please either provide these details or confirm that the pump is not within CONTRACTOR's scope of work.
6. No specifications have been provided for conducting an injection test. Please confirm that such a test is not included in the scope of work.
7. ARTICLE 3, 3.01, E. requires that the respondent "Have a minimum of two (2) drilling rigs available..." Please confirm that, whether owned or leased, Respondent is to own or have leased such equipment on or before September 17, 2009, the date that the proposals are due.
8. NW 170th Street, the access way to the jobsite, is in a terrible state of disrepair, having several deep, broad depressions as well as fill dirt mounded up alongside of the road. Injection well drilling equipment is substantially larger and heavier than the production well equipment previously used on site. Please confirm that the City of Hialeah will repair the substantial defects to the road before a notice to proceed is issued so that equipment can be mobilized using this roadway. If not, and CONTRACTOR will be required to repair the road at his own expense, please provide specifications regarding the materials and methods required to be used for such repairs.
9. ARTICLE 4 – CONTRACT TIMES, 4.02 *Days to Achieve Substantial Milestones and Final Payment*, A. defines the first Substantial Milestone as completion of one test/injection well and the dual zone monitor well and completion of the second test/injection well as the last Substantial Completion milestone. This seems to imply that the dual zone monitor well is to be completed before the

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second injection well which would further imply one rig drilling the first injection well while the second rig drilled the dual zone monitor well. However, historically, Florida DEP has not allowed a lower monitor zone to be selected until the boulder zone has been identified on site, so having two rigs on site would probably necessitate drilling the two injection wells before the dual zone monitor well. Please clarify the sequence of construction and verify that Florida DEP has approved it or reconsider the Substantial Milestone definitions.

10. ARTICLE 4 – CONTRACT TIMES, 4.02 *Days to Achieve Substantial Milestones and Final Payment*, B. states “City will consider negotiating incentives for early delivery.” Can these incentives be better identified now? Will they be of a dollars-per-day nature? Additional options for completion (use of three rigs, etc.) cannot be adequately evaluated without understanding the compensation scheme.
11. The worksite and areas available to CONTRACTOR have not been adequately described. The narrow work area visited sits in a deep depression, is bordered by what appears to be wetlands on two opposite sides and already contains two wells finished above grade and all of these factors will be obstacles to placing two drilling rigs and two mud systems on the site simultaneously.
 - (a) Can the existing wells be killed, cut off below grade, plated off and then raised up upon completion of the injection well project? If so, would the original drilling contractor do any of that work or should CONTRACTOR plan on doing it?
 - (b) The dual zone monitor well, when completed, will also be an obstacle in completing the second injection well. Can the dual zone monitor well be left below grade until the second injection well is completed or will there be some need to monitor it during construction, testing, etc. that would preclude this?
 - (c) Without a defined area allocated to CONTRACTOR, Respondent cannot reasonably estimate the amount of site work and excavation needed to prepare the jobsite. Please provide a detail of the area allocated to CONTRACTOR for setting up drilling equipment, mud systems, etc. and confirm that CONTRACTOR shall have unfettered access to such areas as delineated with no coordination required with landowners.
 - (d) Substantial clearing of vegetation and earthwork will be required to prepare the jobsite for injection well drilling equipment. Will CONTRACTOR be required to obtain the necessary permits for all such work from Florida DEP, Miami Dade Department of Environmental

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Resources and other agencies after receiving a notice to proceed, or have all such necessary site work permits already been secured as related to the water treatment plant development project?

- (e) The well locations are alongside an existing road/access way. The road will be completely blocked to through traffic for the entire length of the project. Has the City of Hialeah anticipated this and coordinated with local property owners?
- (f) SECTION 01010 SUMMARY OF WORK, 1.01, A. states that top of wellhead shall be 4-foot above the anticipated future grade of 10-feet. Is this 10 feet above sea level? Or some benchmark? And what is the existing grade at the well locations?

We look forward to your clarification of these issues.

Respectfully,
Youngquist Brothers, Inc.



Chris Bannon,
Project Manager